

**Road Weather Management Program
Best Practices for Road Weather Management**

PUBLICATIONS LIST

TITLE:

WINTER STORM EVENT VOLUME IMPACT ANALYSIS USING
MULTIPLE SOURCE ARCHIVED MONITORING DATA

ABSTRACT:

Paper discusses how data from several information management systems in Iowa were used to analyze the volume impacts of winter storms. Analysis indicated that winter storms decrease traffic volumes by 29% on average (range from 16% to 47%). Analysis revealed a relationship between percent volume reduction and total snowfall, minimum average wind speed and the square of maximum wind gust speed.

SOURCE(S):

Transportation Research Board 79th Annual Meeting, Search
TRIS <http://199.79.179.82/sundev/search.cfm>

Keyword(s):

Winter storm, Volume, Snow, Wind